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IDENTIFIER:  
TITLE: BLACK SUEDE-TONE ARTIFICIAL LEATHER GIVING LITTLE  
STUFFY FEELING

PUBN-DATE: March 4, 1997

INVENTOR-INFORMATION:

| NAME                 | COUNTRY |
|----------------------|---------|
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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a suede-tone artificial leather giving little stuffy feeling in wearing and having softness and moderate stretchability by using an elastic polymer and ultrafine fiber bundles containing a black pigment reflecting infrared rays.

SOLUTION: A conjugate fiber capable of generating ultrafine fibers such as a sea-island conjugate fiber and containing perylene black in an amount of  $\geq 5\%$  is produced by the composite spinning of a polyethylene, a 6-nylon and a 6-nylon containing an infrared-reflecting perylene black pigment. A card web of the conjugate fiber is needle-punched to form a fiber-interlocked nonwoven cloth. A solution of an elastic polymer such as polyurethane is impregnated in the nonwoven cloth at a fiber:polyurethane ratio of 70:30 and the

product is coagulated and washed with water. After dissolving the polyethylene with toluene, the fiber is divided into ultrafine fibers and the cloth is buffed with a sandpaper to obtain the objective suede-tone artificial leather having ultrafine raised fibers on the surface.

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